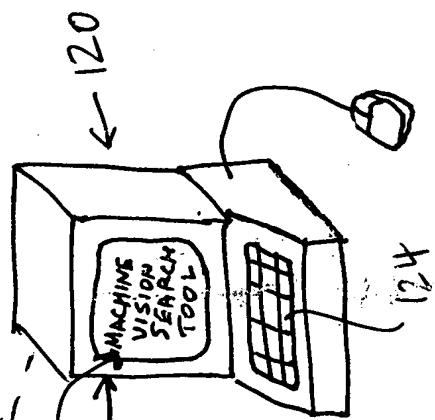
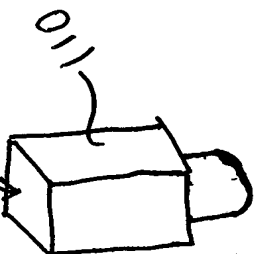


FIG. 1 is a block diagram of a machine vision search tool 120, which includes a camera 110, a processor 122, and a display 124. The camera 110 is connected to the processor 122, which is connected to the display 124. The processor 122 is also connected to a mouse 126. The display 124 shows a 3D coordinate system 118 with axes x, y, and z. The 3D coordinate system 118 is used to define the position and orientation of the machine vision search tool 120 relative to a target object 150. The target object 150 is shown in a perspective view, with features 152 and 154. The machine vision search tool 120 is shown in a perspective view, with a camera 110, a processor 122, and a display 124. The camera 110 is connected to the processor 122, which is connected to the display 124. The processor 122 is also connected to a mouse 126. The display 124 shows a 3D coordinate system 118 with axes x, y, and z. The 3D coordinate system 118 is used to define the position and orientation of the machine vision search tool 120 relative to a target object 150. The target object 150 is shown in a perspective view, with features 152 and 154.



100



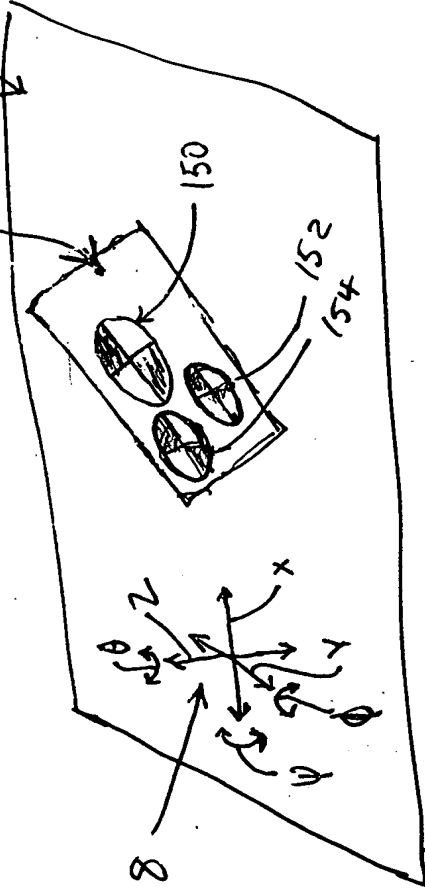
116



126

111

112



118

150

152

154

Fig. 1

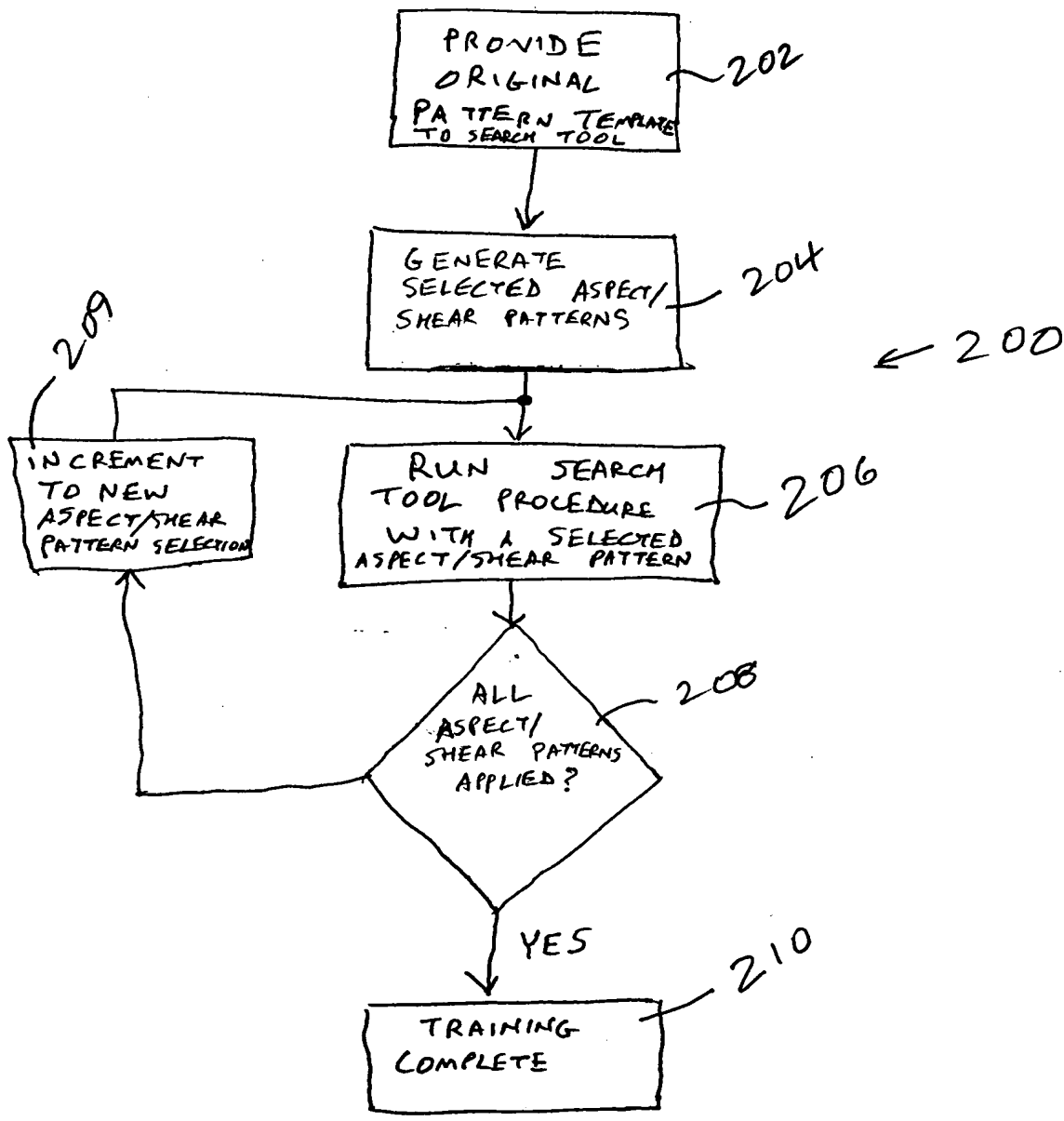


Fig. 2

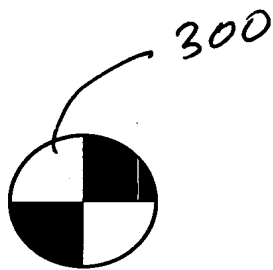


Fig. 3

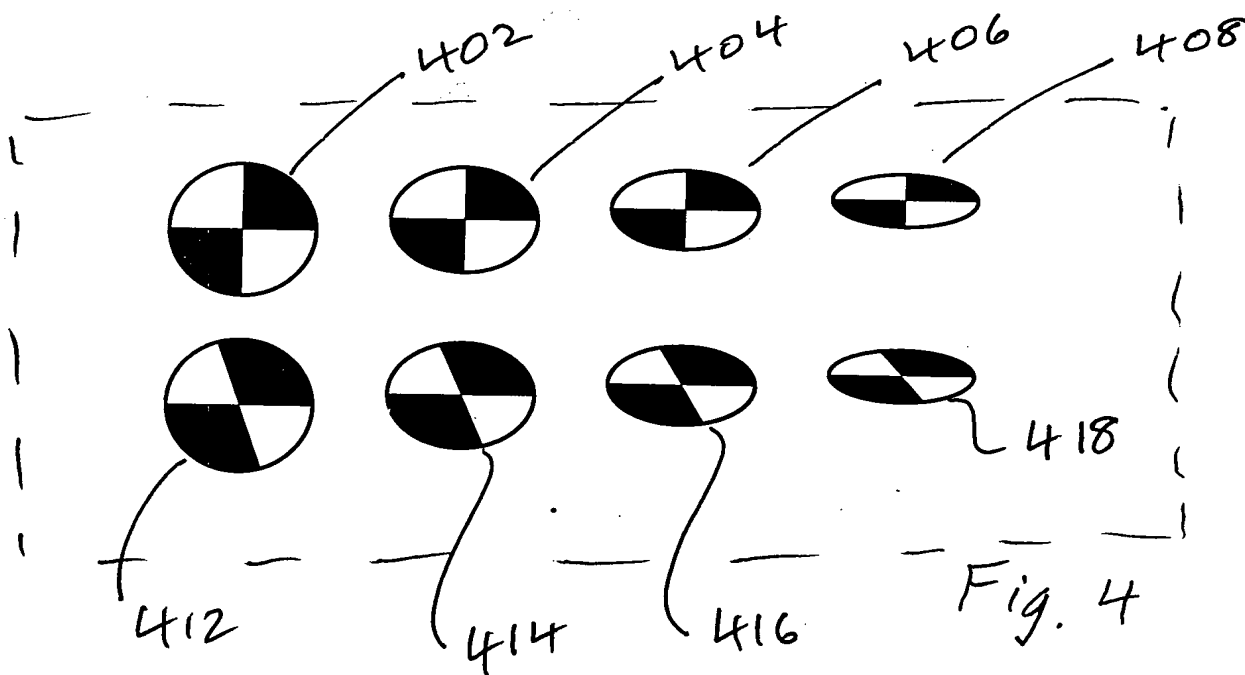


Fig. 4

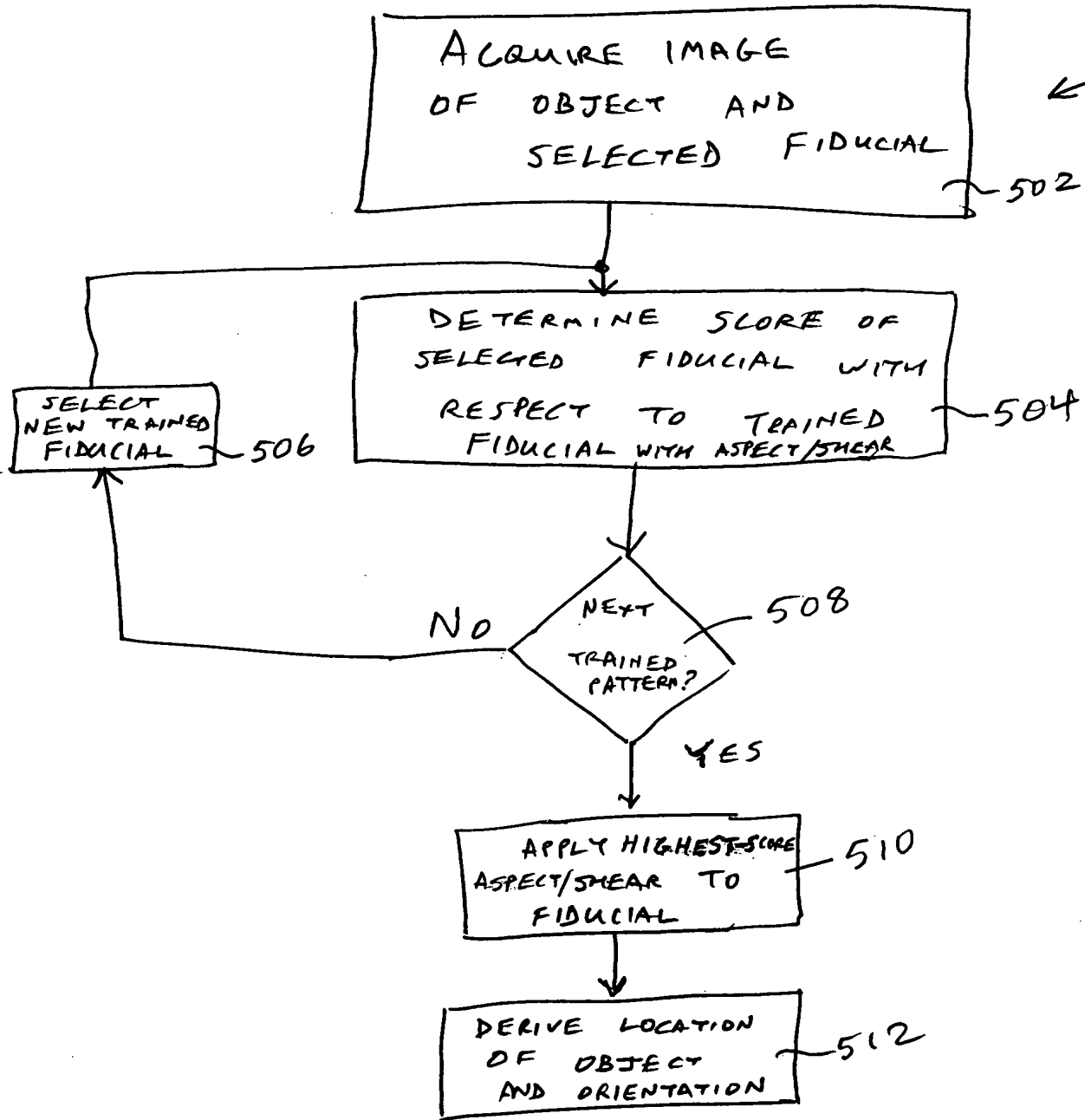


Fig. 5

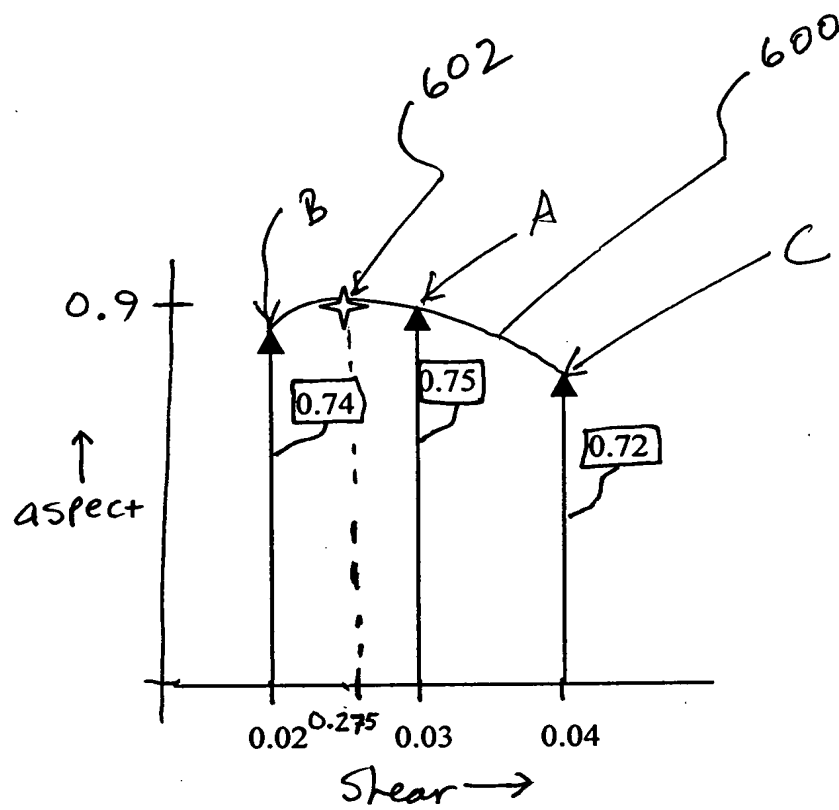


Fig. 6

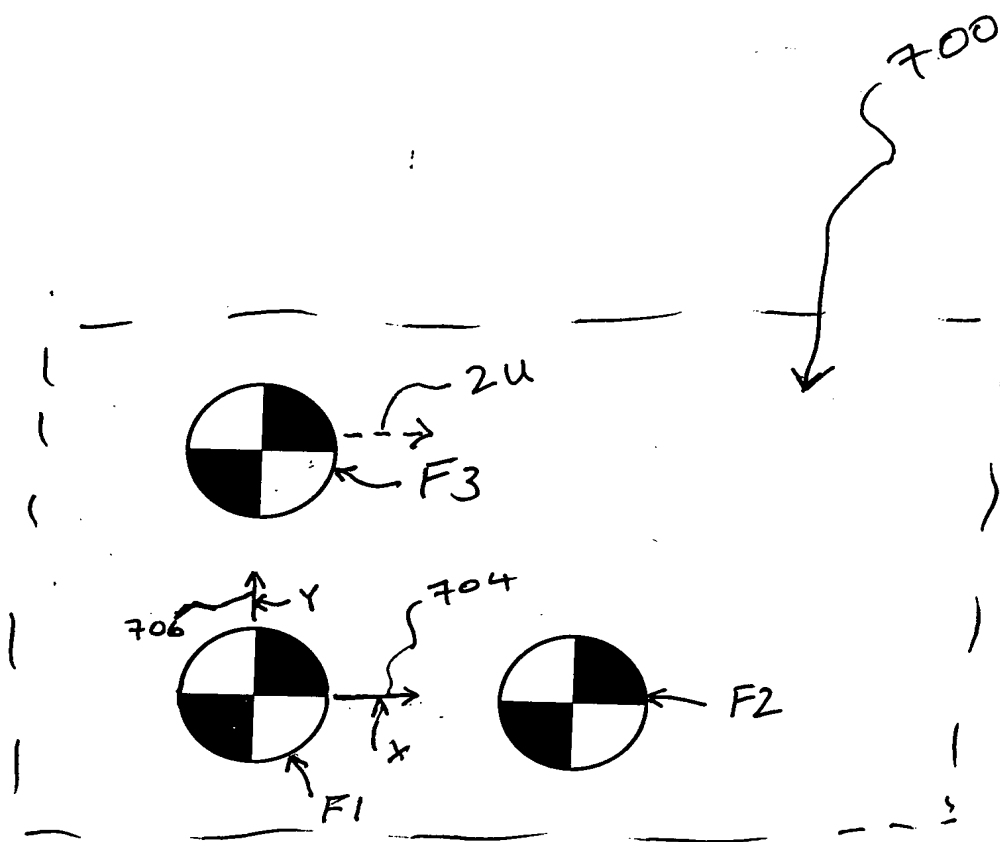


Fig. 7

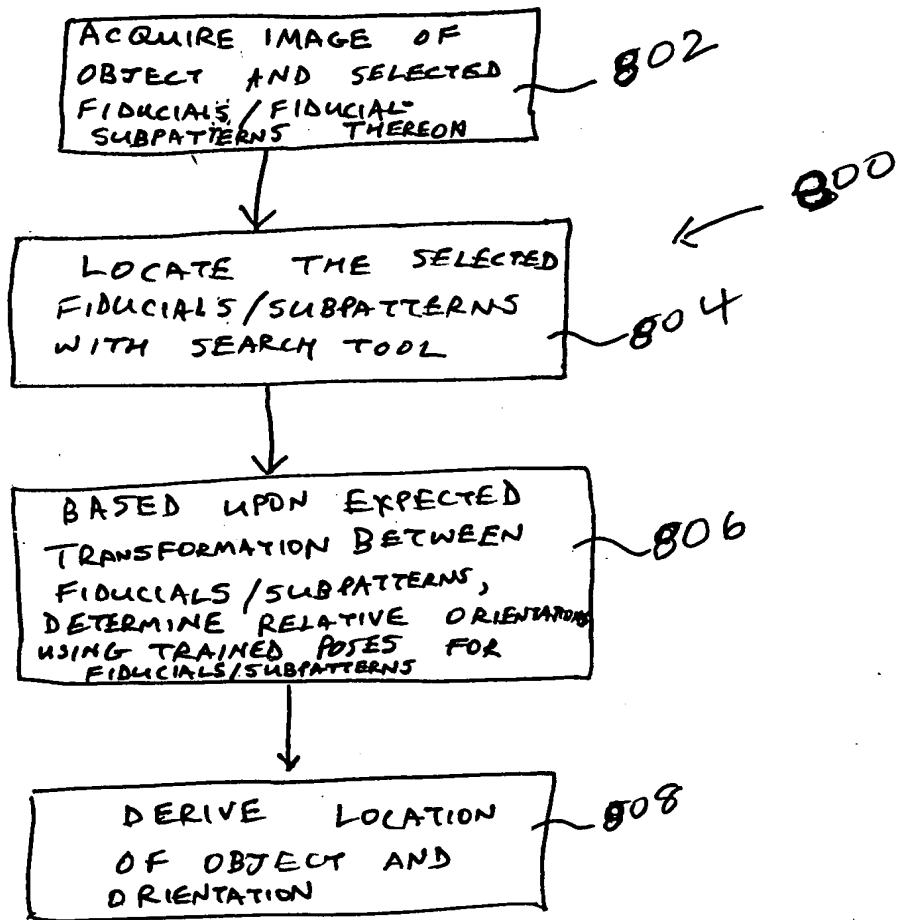


Fig. 8